Earthdata UTC Meeting 04.04.2017

GoToMeeting information (today only):

https://global.gotomeeting.com/join/293577749

You can also dial in using your phone.

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Access Code: 293-577-749

1. Attendance

Please make a comment at the bottom of this agenda to record your attendance.

Note: To comment, you must be a member of the "utc-wiki-users" group in the Earthdata wiki. To request access, send an email to Ross Bagwell or Minnie Wong, or send an email to Earthdata Support at support@earthdata.nasa.gov.

How do I get updates about this meeting?

Subscribe by clicking here.

2. EMS Status

Nelson Casiano

- **Upcoming/Ongoing Activities with Data Providers**
    - EMS-Data Providers Monthly Interface Meeting
        - Topics:
            - OPeNDAP in EMS
            - EMS-Data Providers ICD Rev. B
            - Data Provider/Customer Concerns
                - Problems Accessing DataAccess Metrics Sent from SDPS to EMS
        - Date: 6 April at 3pm – Updated Time
    - EMS Distribution Reprocessing Continues
        - Continued processing CDDIS logs. We should be done with reprocessing for all Data Providers by the end of April.

3. Earthdata Login

Catalino Cuadrado

- Brief Outage Sunday 4/2 9:10 PM - 10:04 PM due to log space filling up on urs prod hosts.

- **URS Integration Information on SSO and the API's can be found on** Wiki
- **DAAC On-boarding Status and Integration Schedule can be found on** Wiki
    - Please get in touch (Peter Smith) if you are having trouble accessing any of the Wiki areas.
- **URS4 Development**
    - In Production (Release 4.65)
- Earthdata Login public wiki

Ticket Status

Ticket	Sprint

URSFOUR-793 - Have an option on a required group to share app-specific attributes with other members of this group	
URSFOUR-785 - approve_app endpoint does not go to approval page after authentication	PI4.3
URSFOUR-783 - An application admin should be able to opt out of an previously added application group	PI4.2,4.3
URSFOUR-782 - Improve GUI messages when user requests password reset with locked profile	PI4.5
URSFOUR-781 - Add client_id to Groups api and return with groups info along with app id.	PI4.1,4.2
URSFOUR-780 - Allow EL to redirect user back to application after a number of failed login attempts	PI4.3,4.4
URSFOUR-779 - Investigate GrADS integration with Earthdata Login enabled services	PI4.5
URSFOUR-778 - Add an users api call to return NAMS AUID for an existing EL user if exists	PI4.2
URSFOUR-777 - Add capability for linking NAMS AUID to an existing EL userid through users API	PI4.2
URSFOUR-771 - Update oauth token validation for grouped applications when a token is shared	PI4.2,4.3,4.4
URSFOUR-767 - Improve the Terms of Service agreement on user registration page	PI4.1,4.2

URSFOUR-763 - As ESDIS I want to meet with the EMS team and determine if we can use EL to improve the EMS visual metrics.	PI4.1
URSFOUR-757 - Need to prompt for required groups during app creation.	PI4.5
URSFOUR-756 - Auto Authorize ESDIS apps irrespective of scope(public or otherwise)	PI3.4,4.1
URSFOUR-754 - Redesign 'My Applications' page and User profile sub navigation	
URSFOUR-753 - Global receive email option flag to be used as default option during application auto authorization.	PI3.4
URSFOUR-752 - Return application specific receive email option flag for the user along with user profile information (API)	PI3.4
URSFOUR-751 - Provide an option for the user to opt out of all application related email at a global level (user profile)	PI3.4
URSFOUR-745 - User services should be able to look up users (UI)	PI3.3
URSFOUR-744 - A user should be able to view all the user groups they belong to. (UI)	PI3.1
URSFOUR-743 - Return user groups information along with user profile info (API)	PI3.1
URSFOUR-733 - An application can list all the users in a group (API)	PI3.1

URSFOUR-732 - Provide URS4 api for an application to retrieve all the groups a user belongs to (API)	PI2.4
URSFOUR-731 - Provide URS4 Api to add user to a group by an application (API)	PI3.1
URSFOUR-730 - An application admin should be able to retrieve all the groups a user belongs to (UI)	PI3.1
URSFOUR-729 - Application admin can view a list of all user groups for the application (UI+API)	PI2.4
URSFOUR-728 - An application admin can add and delete a user from a user group (UI)	PI2.4
URSFOUR-727 - An application admin can create and edit a new user group (UI)	PI2.4
URSFOUR-725 - Too many email delivery failures	
URSFOUR-724 - Use human-readable field names (as used in field labels) instead of machine names like "study_area" in the banner/alert that shows up when additional profile fields are required.	PI2.3
URSFOUR-723 - Highlight missing app required user fields in user profile edit page on redirect	PI2.3
URSFOUR-720 - Add a count of the number of applications a user has authorized to the user profile information returned from the API.	PI3.3,3.4
URSFOUR-715 - Support HEAD authentication requests	PI3.3

URSFOUR-713 - URS cookies contain invalid Expires timezone	PI2.4
URSFOUR-705 - An application should be able to redirect to ED Login for additional EULA/Sentinel authorizations	PI2.2
URSFOUR-704 - Add 'Application' as user type options for user profile	PI2.1
URSFOUR-701 - Accept both username and email at the login	PI4.1
URSFOUR-698 - Implement unauthorized access to public user profile data	PI2.2
URSFOUR-697 - Determine which user profile fields should be public, and which should require authorization	PI2.3
URSFOUR-695 - Update LDAP Application model to store required user profile attributes	PI2.1
URSFOUR-694 - Provide capability to support application required user profile attributes during application authorization	PI2.1
URSFOUR-693 - Provide the ability to add/edit application required fields during application registration	PI2.1
URSFOUR-690 - want a list of all the applications I can authorize, with descriptions	PI1.1
URSFOUR-686 - URS appends form parameters to URL when clicking on 'Register' link	

4. Earthdata

Katherine Kelly

- **Launchpad Integrations**
    - Finishing Launchpad Migrations, Removing ED Login from Conduit and Status App.
    - Investigating NAMS Workflow Bundling.
    - Creating a NAMS workflow for the Developer Portal.
    - Investigating connecting Launchpad directly with Bamboo.

- Tophat Redesign
    - Wireframe a new simplified Tophat
    - Reviewing usability study notes referring to Tophat
- **Status App**
    - Adding logout
- **URS**
    - Some URS usernames conflict with EMS
- **Open-source Conduit**

5. User Support Tool

Catalino Cuadrado

Recent Metrics

Total Kayako Tickets since last UTC

	Closed	In Progress	On Hold	Open	Waiting	Waiting for DAAC	Waiting for User	Total
ASDC	39	4		1	1	1		46
ASF	9			2				11
Account Request	3			1				4
CDDIS	1							1
CMR	1							1
DAACs	3							3
ECC	6							6
ECHO	28			3				31
Earthdata	6	2		1			1	10
Earthdata Search	6			6				12

FIRMS	23	2		6				31
Feedback Module				1				1
GCMD	10							10
GES-DISC	1			2				3
GHRC	3							3
GIBS	1	1		1				3
LANCE	1	5						6
LPDAAC	25	10	3	8			1	47
MODAPS	43			1			3	47
OB.DAAC	1							1
ORNL DAAC	11			3				14
PO.DAAC	10			2				12
PO.DAAC Forum	1							1
Rapid Response	4	6		3				13
Reverb	12			1				13
SEDAC				1				1
Sea Level Change	1							1
URS	109			15				124
Worldview	9	9		2				20

Kayako Tickets Last 9 Months

Kayako Tickets Last 9 Months

Month	Tickets
Aug-16	840
Sep-16	687
Oct-16	741
Nov-16	862
Dec-16	697
Jan-17	745
Feb-17	763
Mar-17	1096
Apr-17	97
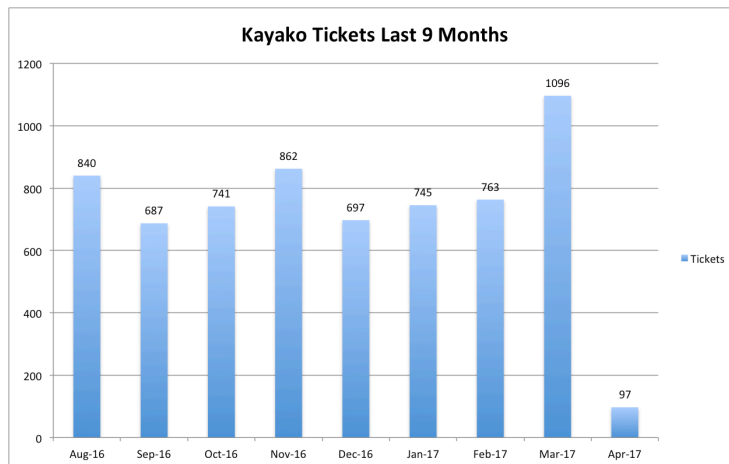
6. CMR/ECHO/Earthdata Search/MMT

Doug Newman

System Status

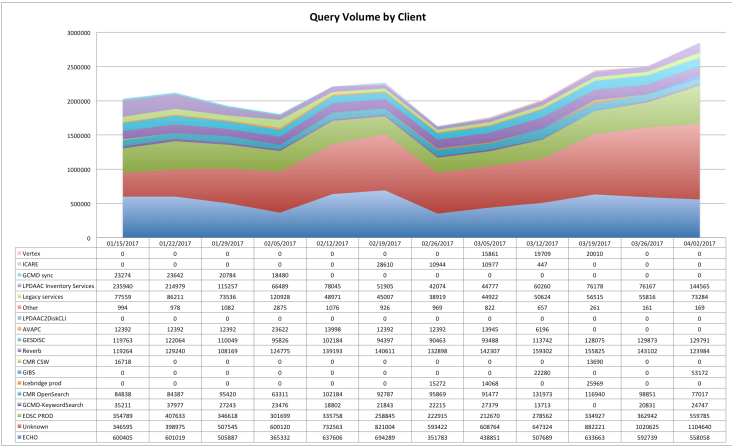### Earthdata System-wide outage from 2:40 AM - 7:20 AM in PROD, all dev services restored by 10:20

CMR goes to the cloud in OPS April 19th with a predicted 8 hour write outage.
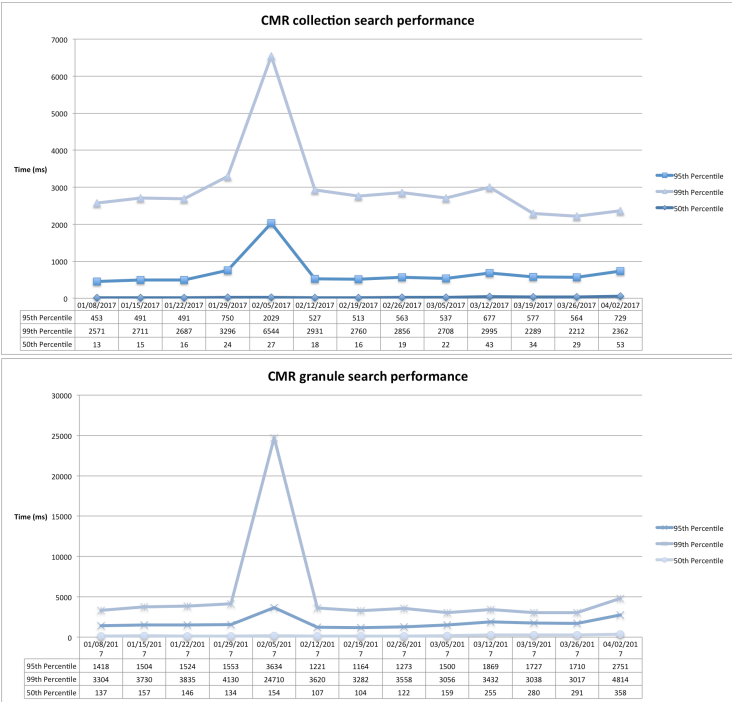
PM on Wednesday 4/5/17:

- Testbed and Misc. OS patching
  - EI-5703
  - EI-5702
- CMR 1.70 to PROD
- EDSC 1.40 to PROD
- MMT 1.43 to PROD
- Enable MMT CMR Mgmt Functionality in OPS

Recent Metrics

Client usage

Query Volume by Client

	01/15/2017	01/22/2017	01/29/2017	02/05/2017	02/12/2017	02/19/2017	02/26/2017	03/05/2017	03/12/2017	03/19/2017	03/26/2017	04/02/2017
Vertex	0	0	0	0	0	0	0	15861	19709	20010	0	0
ICARE	0	0	0	0	0	0	28610	10944	10977	447	0	0
GCMD sync	23274	23642	20784	18480	0	0	0	0	0	0	0	0
LPDAAC Inventory Services	235940	214979	115257	66489	78045	51905	42074	44777	60260	76178	76167	144565
Legacy services	77559	86211	73536	120928	48971	45007	38919	44922	50624	56515	55816	73284
Other	994	978	1082	2875	1076	926	969	822	657	261	161	169
LPDAAC2DiskCLI	0	0	0	0	0	0	0	0	0	0	0	0
AVAPC	12392	12392	12392	23622	13998	12392	12392	13945	6196	0	0	0
GESDISC	119763	122064	110049	95826	102184	94397	90463	93488	113742	128075	129873	129791
Reverb	119264	129240	108169	124775	139193	140611	132898	142307	159302	151825	143102	123984
CMR CSW	16718	0	0	0	0	0	0	0	0	13690	0	0
GIBS	0	0	0	0	0	0	0	0	22280	0	0	53172
Icebridge prod	0	0	0	0	0	0	15272	14068	0	25969	0	0
CMR OpenSearch	84838	84387	95420	63311	102184	92787	95869	91477	131973	116940	98851	77017
GCMD-KeywordSearch	35211	37977	27243	23476	18802	21843	22215	27379	13713	0	20831	24747
EDSC PROD	354789	407633	346618	301699	335758	258845	222915	212670	278562	334927	362942	559785
Unknown	346695	398975	507545	600120	732563	821004	593422	608764	647324	882221	1020625	1104640
ECHO	600405	601019	505887	365332	637606	694289	351783	438851	507689	633663	592739	558058

Query Performance

CMR collection search performance

	01/08/2017	01/15/2017	01/22/2017	01/29/2017	02/05/2017	02/12/2017	02/19/2017	02/26/2017	03/05/2017	03/12/2017	03/19/2017	03/26/2017	04/02/2017
95th Percentile	453	491	491	750	2029	527	513	563	537	677	577	564	729
99th Percentile	2571	2711	2687	3296	6544	2931	2760	2856	2708	2995	2289	2212	2362
50th Percentile	13	15	16	24	27	18	16	19	22	43	34	29	53

CMR granule search performance

	01/08/2017	01/15/2017	01/22/2017	01/29/2017	02/05/2017	02/12/2017	02/19/2017	02/26/2017	03/05/2017	03/12/2017	03/19/2017	03/26/2017	04/02/2017
95th Percentile	1418	1504	1524	1553	3634	1221	1164	1273	1500	1869	1727	1710	2751
99th Percentile	3304	3730	3835	4130	24710	3620	3282	3558	3056	3432	3038	3017	4814
50th Percentile	137	157	146	134	154	107	104	122	159	255	280	291	358

CMR Release Status

UAT: 1.69

Key	Summary
CMR-2224	As a Client User, I want the CMR to reject a collection update that removes an instrument referenced to by an existing granule
CMR-2564	As a Client User, I should be able to specify an initial management group when creating a group.
CMR-3312	Support SIT rollout of ACL reads
CMR-3401	Change cardinality from 1..* to 0..* - not required for RelatedUrl
CMR-3441	CMR should utilize UMM Spec implementation when matching ACLs
CMR-3657	Point CMR apps in uat to CMR rest-services/catalog-rest
CMR-3658	Point CMR apps in prod to CMR rest-services/catalog-rest
CMR-3677	In RelatedURL, Change URLs to URL
CMR-3774	Remove VPN dependency to download and build CMR code
CMR-3789 *	Remove NGAP deployment scripts for Open Sourcing CMR
CMR-3795	Ensure that all debug level events are not logged in the production environment
CMR-3797	Missing date values converted to 1/1/70
CMR-3824	gracefully handle huge browse files
CMR-3832 *	Collection failing indexing but passing ingest validation
CMR-3837 *	Increase the number of elasticsearch retries in ops and prod
CMR-3839 *	EDSC tagging causing many calls to get current sids and token info
CMR-3841 *	Investigate sporadic CMR 404 errors
CMR-3855 *	legacy-services not serving up WSDLs properly
CMR-3863 *	Testbed Reverb is unable to log into URS
ECHO-676	Verify Reverb does not depend on any database besides its own
ECHO-681 *	Orders failing to dispatch from old echo kernel
ECHO-685 *	Reverb Cross Site Scripting Reflected vulnerability
ECHO-687 *	Update ECHO apps to use public URLs in sit
ECHO-692 *	shut down obsolete ECHO apps in sit

Earth Data Search Release Status

PROD: 1.39

Key	Summary
EDSC-1320	Configure new environment in EDSC code to support SearchLab
EDSC-1331	Fix tests in the new ui-sandbox branch
EDSC-1345	Production health check fails on the hour until at most 5 past the hour
EDSC-1357 *	NSIDCV0 collection level metadata not available in EDSC
EDSC-1358	Conduct final interviews for EDSC/Reverb Comparison study
EDSC-1364	Research data and metadata requirements for prototype
EDSC-1370 *	Update coffee-loader version

UAT: 1.40

Key	Summary
EDSC-1257	As an EDSC user, I want to select multiple facets.
EDSC-1311	Document findings from EDSC vs Reverb comparison study
EDSC-1350	Request to remove the option to "Download Collection Data" for all ASTER On-demand products
EDSC-1352	Data Access option issues when 3 or more data sets selected
EDSC-1361	Implement frontend markup for filter stack
EDSC-1362	Implement services workflow modal
EDSC-1373	Download script needs to support URS authentication for NSIDC
EDSC-1376	Implement yaml parser to parse pre-recorded requests/responses
EDSC-1377	Convert existing calls (to CMR legacy services and CMR)
EDSC-1378	Implement new endpoints in the new prototype client
EDSC-1379	Hook up filter stack to backend functionality
EDSC-1380	Hook up new endpoints to comp features
EDSC-1382 *	Updated UMM version to 1.9
EDSC-1385 *	Collection Details page should handle metadata values not being present
EDSC-1392 *	GIBS rake task fails in TravisCI

Metadata Management Tool Release Status

PROD: 1.42

Key	Summary
MMT-136	As a Provider, I want to search for a provider order by specifying its order id.
MMT-145	As a Provider, I want to view the detailed order information for an individual order for my Provider.
MMT-590	As a Provider, I want to create and view a data quality summary.
MMT-608	As a Provider, I want to resubmit a provider order which is in a terminal state.
MMT-647 *	As a Provider, I want to view a list of my collections and their service option assignments.
MMT-708	Can't publish revision to previously published UMM-JSON record
MMT-715	Incorrect rendering of Data Center card for data center with long Short Name
MMT-736	As a user, I want to see a group's associated permissions
MMT-745	As a CMR Administrator I want to create or update Single Instance Identity ACLs for Group Management
MMT-781	Support MMT PUMP Functionality User Testing - Kickoff Meeting
MMT-782	Support MMT PUMP Functionality User Testing Wrap-up
MMT-813	Related URLs do not link to the right place
MMT-814	500 errors for some order functionality for some providers
MMT-825	Group members who have not authorized the MMT in URS are not handled properly in group operations
MMT-828 *	Collection permission includes collections not selected and not in pick list, and collections are repeated
MMT-829 *	'Show order option' pop-up when viewing order does not allow user to see entire order option, and order option text does not match
MMT-833 *	Show link appears on order details even if there is no order option associated with the order
MMT-834 *	500 error when attempting to view 'Selected Collections' permission for GES-DIS provider

UAT: 1.43

Key	Summary
MMT-146	As a Provider, I want to remove an open catalog item from an open Provider order.
MMT-607	As a Provider, I want to cancel an open provider order.
MMT-736 *	As a user, I want to see a group's associated permissions
MMT-780	'Include selected collections with no data quality summary assignments' checkbox works backwards after viewing DQS and using back button on browser
MMT-805 *	Get NASA Github ready for MMT
MMT-806	Scrub code/history for tokens, passwords
MMT-818	As a provider, I want to test whether the Routing Location Endpoint in my provider Order Policy is valid
MMT-830	Provider Holdings report is missing some information provided by the PUMP holdings report
MMT-835	As a provider, I want to see the version associated with my collection when choosing collections from the chooser
MMT-840	When editing a collection permission, collections on right side of chooser are not in sorted order
MMT-852 *	Permission Type on permission index page does not match permission type on permission show page
MMT-853 *	Administrator Group for a provider does not show up on All Collections and All Granules permission pages

Upcoming PMs

echo-support@mail.nascom.nasa.gov is now cmr-support@earthdata.nasa.gov

we have redirects in place for the time being but please communicate this new email address to your team for CMR support.

7. Earthdata Search Client Usability Improvements

Mark Reese

Completed

- Added ability to select multiple facets *within* facet categories. The multi-select logic is an OR argument within a facet category and an AND logic between categories.
- EDSC/Reverb comparison study.
- ESI forms now render as a user would expect when using multiple access methods or accessing multiple collections.

In Progress

- Removing 2,000 granule limit for ESI orders.
- Limiting ASTER On-Demand orders to 100 granules.
- Auto-centering the map when manually entering a point search.
- Finalizing new layout.

8. GIBS

Matthew Cechini

General Items

- Vectors - Testing has begun on a new vector prototype capability. Once initial functional tests have completed, GIBS will begin working with "early adopter" data providers for further integration testing. Updates to the ICD are expected.
- ICD Appendix Baselining - Updating existing GIBS ICD Appendix Google Doc spreadsheets to comply with the updated (Rev A) Imagery Provider ICD document. Providers will be contacted individually to review the updated document in preparation for baselining in COMET.

Provider/Product On Boarding

- AIRS - GESDISC
  - Awaiting promotion of a code fix to Giovanni before moving forward with imagery review.
- ASTER L1T - LPDAAC/USGS
  - Performed initial imagery review with USGS through GloVisNext.
  - Historical reprocessing restarted with EPSG:3857 imagery (for GloVis) and EPSG:4326 (for EDSC). Expected completion by end of April.
  - Beginning coordination for forward processing. Expected promotion to production in early May.
- GPM Rain/Snow v4 Standard
  - On hold for v5 data updates scheduled in May 2017.
- MISR NRT
  - Completed imagery review and ingest testing.
  - Awaiting promotion to production in early May.
- MODIS Collection 6 L3 Land
  - Performing sample ingest and imagery review.
- MOPITT NRT
  - Performing ICD development and review.
- OMPS NRT
  - Awaiting resource prioritization.
- VIIRS Black Marble
  - Coordinating 2016 Black Marble imagery with VIIRS SIPS and Earth Observatory teams.

Jerome King / Alex De Luca

GIBS Production

Status

- MODIS C6 L2 Land NRT - Forward processing completed and available through the GIBS API.
- SMAP Freeze/Thaw - Historical and forward processing completed and available through the GIBS API.
- NISE - Historical and forward processing completed and available through the GIBS API.
- Aquarius/CCMP/MODIS - Historical and forward processing completed and available through the GIBS API.

Issues

- MODIS outage from 03/20 to 03/23, due to lance3 upgrade.
- VIIRS outage from 03/30 to Present, due to nrt3 upgrade.
- GIBS outage on 03/30 from 5:12 PM to 6:52 PM EDT, due to a ESDIS Dist Firewall problem.
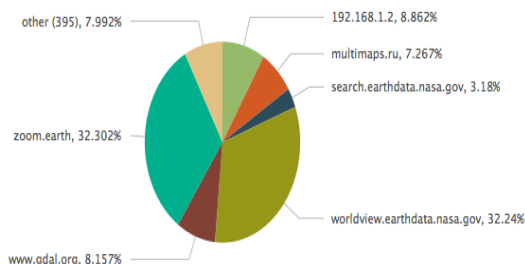 - Maintenance scheduled for 04/06 to replace problematic ESDIS Dist Firewall.

Metrics

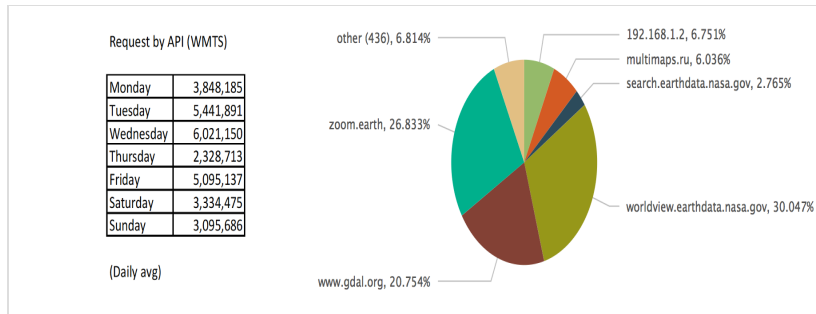**Referrer with API Requests for GIBS (March 20th - 26th)**

Request by API (WMTS)

Monday	5,574,280
Tuesday	4,606,542
Wednesday	2,607,318
Thursday	3,973,142
Friday	3,992,532
Saturday	2,680,933
Sunday	2,738,834

(Daily avg)

other (395), 7.992%
192.168.1.2, 8.862%
multimaps.ru, 7.267%
search.earthdata.nasa.gov, 3.18%
zoom.earth, 32.302%
worldview.earthdata.nasa.gov, 32.24%
www.gdal.org, 8.157%

Referrer with API Requests for GIBS (Mar 27th - Apr 2nd)

9. Worldview

Benjamin King

v1.4.0 released on 03/30/17

1. New Features
    a. Certain imagery layers (e.g. MODIS or VIIRS Corrected Reflectance and some other daytime layers) can now be viewed over the dateline/anti-meridian for the day prior to and after the current day. This allows for an unbroken view of the Pacific Ocean as observed by the satellites.
    b. Users can now view the data value under the cursor in the respective layer's legend/color bar.
    c. A marker or bounding box has been added to illustrate an event's location shown in the Events feed.
    d. Icons have been added to differentiate between natural event categories in the Events feed.
    e. Auto-disable function which prevents a layer from being turned on if there is no imagery available for that date.
    f. Daymet Minimum and Maximum Air Temperature layers added
2. Updates
    a. Migrated to OpenLayers 4 mapping library

Work In Progress

1. Permalink fix in polar views
2. Earthdata notification integration
3. New Products
    a. Daily SMAP Enhanced versions of Passive Brightness Temperature and Passive Soil Moisture, Freeze/Thaw layers
    b. MISR Monthly layers
    c. Precipitable Water over Ice Free Oceans and Wind Speed over Ice Free Oceans (RSS) layers
    d. DMSP Sea Ice Concentration layer

10. Open Floor

a. Cutover dates for migrating CMR micro-services from on-premises to the cloud.

SIT – March 1st 2017

UAT – March 15th 2017

PROD – TBD

b. PUMP shutdown scheduled for late April

PUMP functionality in MMT can be tested in UAT at mmt.uat.earthdata.nasa.gov

PUMP functionality in MMT will be available in OPS (mmt.earthdata.nasa.gov) beginning April 5

There will be a period of dual MMT and PUMP operations until PUMP shutdown

Please begin using MMT for your PUMP functionality in OPS beginning April 5, and let us know immediately of any questions or issues.

c. Order-only permissions in PUMP will be converted to 'Search and Order' permissions in MMT (same as View and Order in PUMP)

d. Have all PUMP Calendar users switched to Status App?

11. Special Topic

Reverb/EDSC Comparative Study: The comparative study investigated major missing features and workflow differences between Reverb and Earthdata Search Client. The study sought to gauge user readiness to migrate from Reverb to EDSC, and document any requests that would make that process as painless as possible. The presentation will discuss the quantitative and qualitative data that was discovered.

Full slide set for the study is attached.